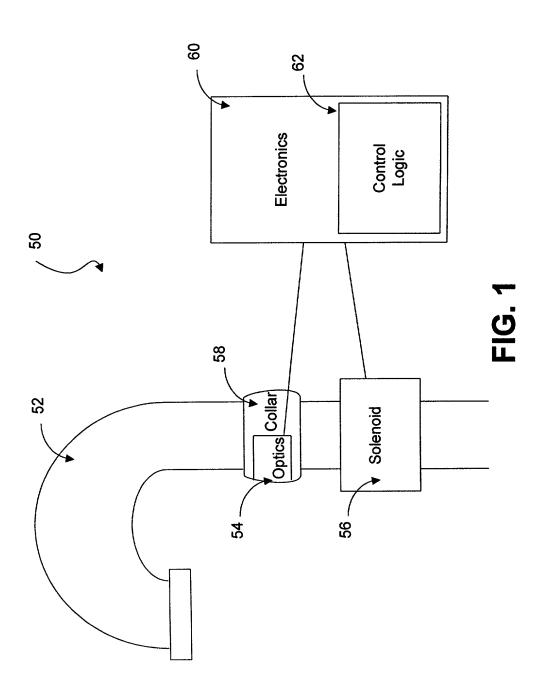
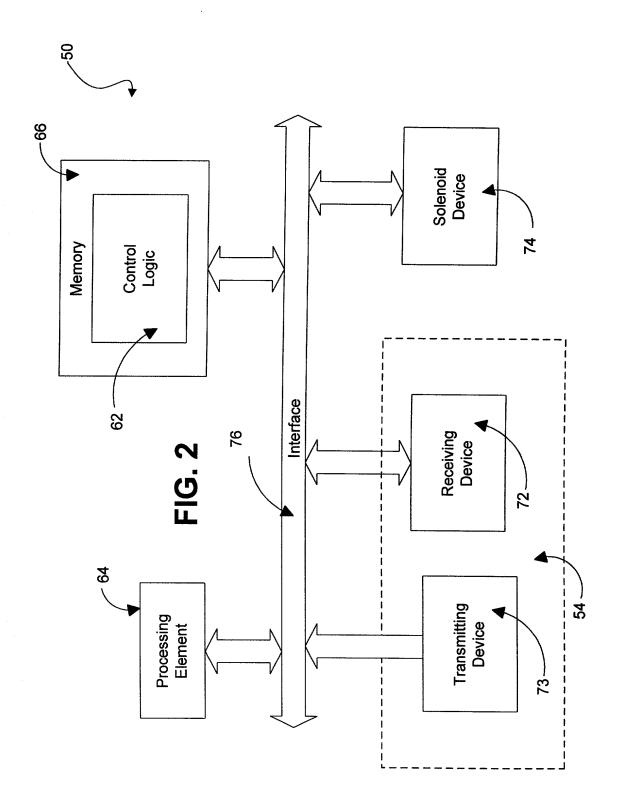
Attorney Docket No.: 00-0895.15/US System and Method for Filtering Reflected Infrared Signals Serial No. 10/045,331

Inventor: Thomas J. Watson Sheet 1/9



Attorney Docker No.: 00-0895.15/US System and Method for Filtering Reflected Infrared Signals Serial No. 10/045,331

Inventor: Thomas J. Watson Sheet 2/9



Attorney Ecological Co. 10 0895.15/US System and Method for Filtering Reflected Infrared Signals Serial No. 10/045,331

Inventor: Thomas J. Watson Sheet 3/9

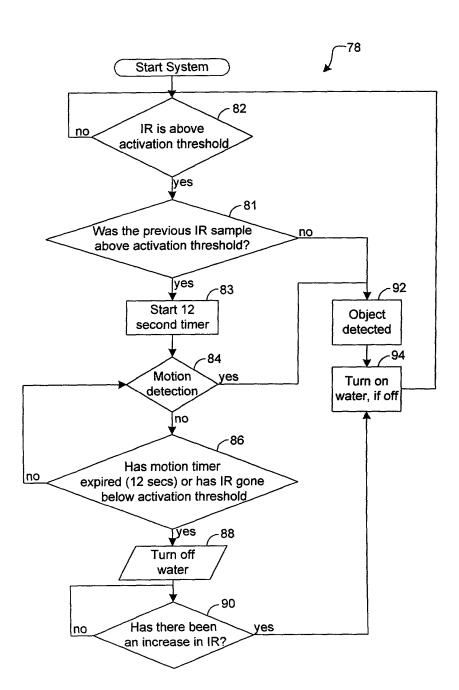


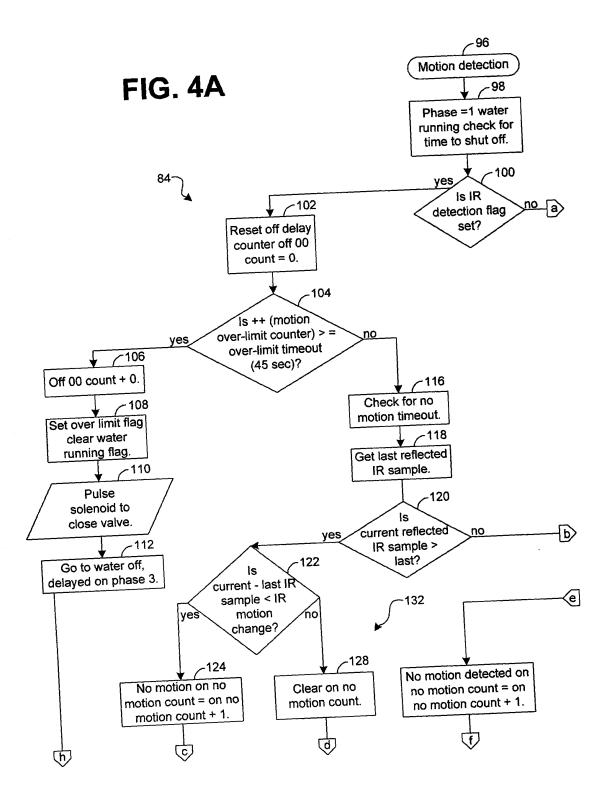
FIG. 3

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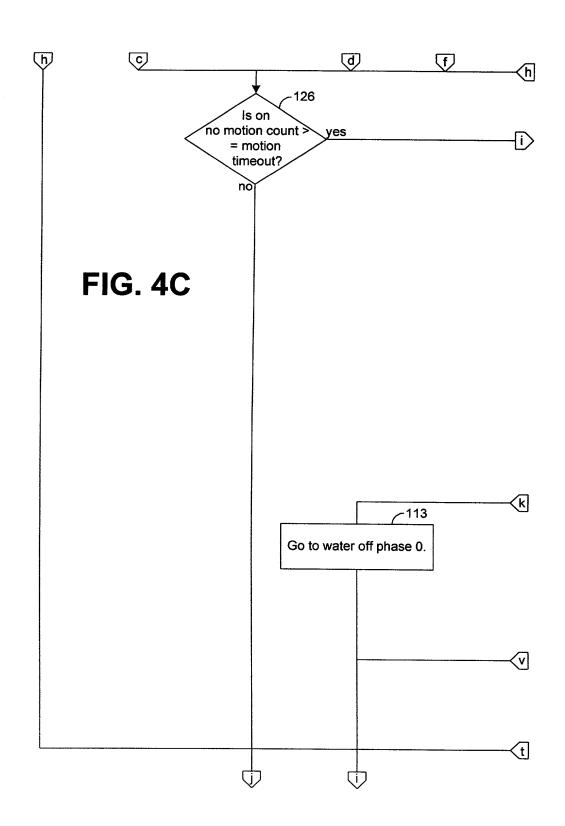


Attorney Docket No. 20-0895.15/US
System and Method for Filtering Reflected Infrared Signals
Serial No. 10/045,331
Inventor: Thomas J. Watson Sheet 5/9

136 No detect with water running. FIG. 4B 138 1s off 00 count > = off timeout? no Reset off 00 count and on no motion count. Clear water running flag. -144 Pulse solenoid to close valve. 130 Is last Go to water off IR sample phase 0. current< IR motion change? Clear on no motion count.

Attorney Docket Fig. 50-0895.15/US System and Method for Filtering Reflected Infrared Signals Serial No. 10/045,331

Inventor: Thomas J. Watson Sheet 6/9

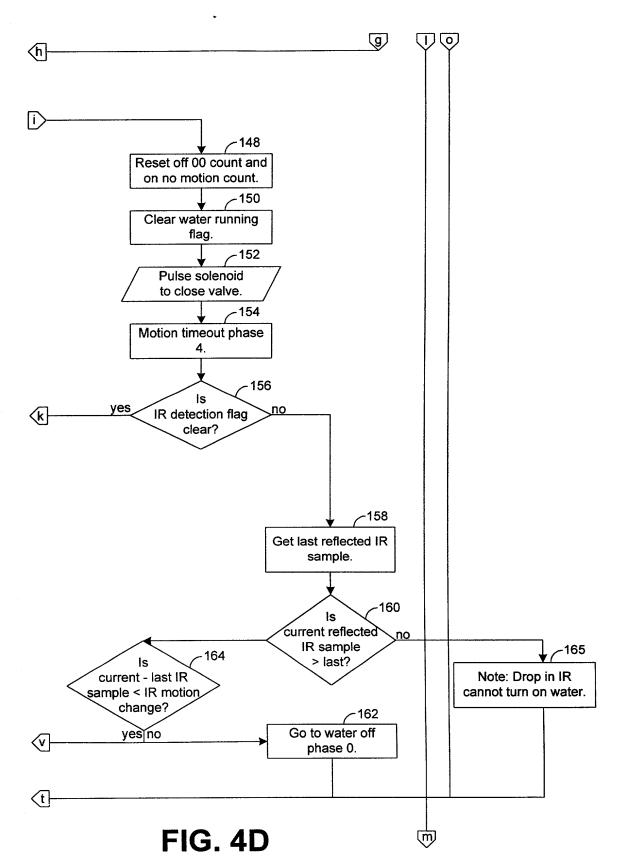


Attorney Docket No : 00-0895.15/US

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Inventor: Thomas J. Watson Sheet 7/9



Attorney Docker No.: 00-0895.15/US System and Method for Filtering Reflected Infrared Signals Serial No. 10/045,331

Inventor: Thomas J. Watson Sheet 8/9

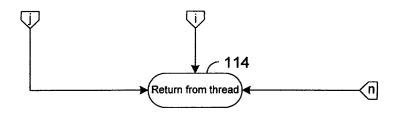


FIG. 4E

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Inventor: Thomas J. Watson Sheet 9/9

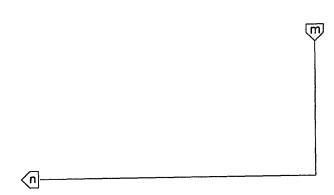


FIG. 4F